



Skills training that takes
you to the **next level.**

Prospectus 2025



✉ **Email**
info@ctctraining.co.za

☎ **Telephone**
013 6923121

🌐 **Website**
www.ctctraining.org

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1 About Us

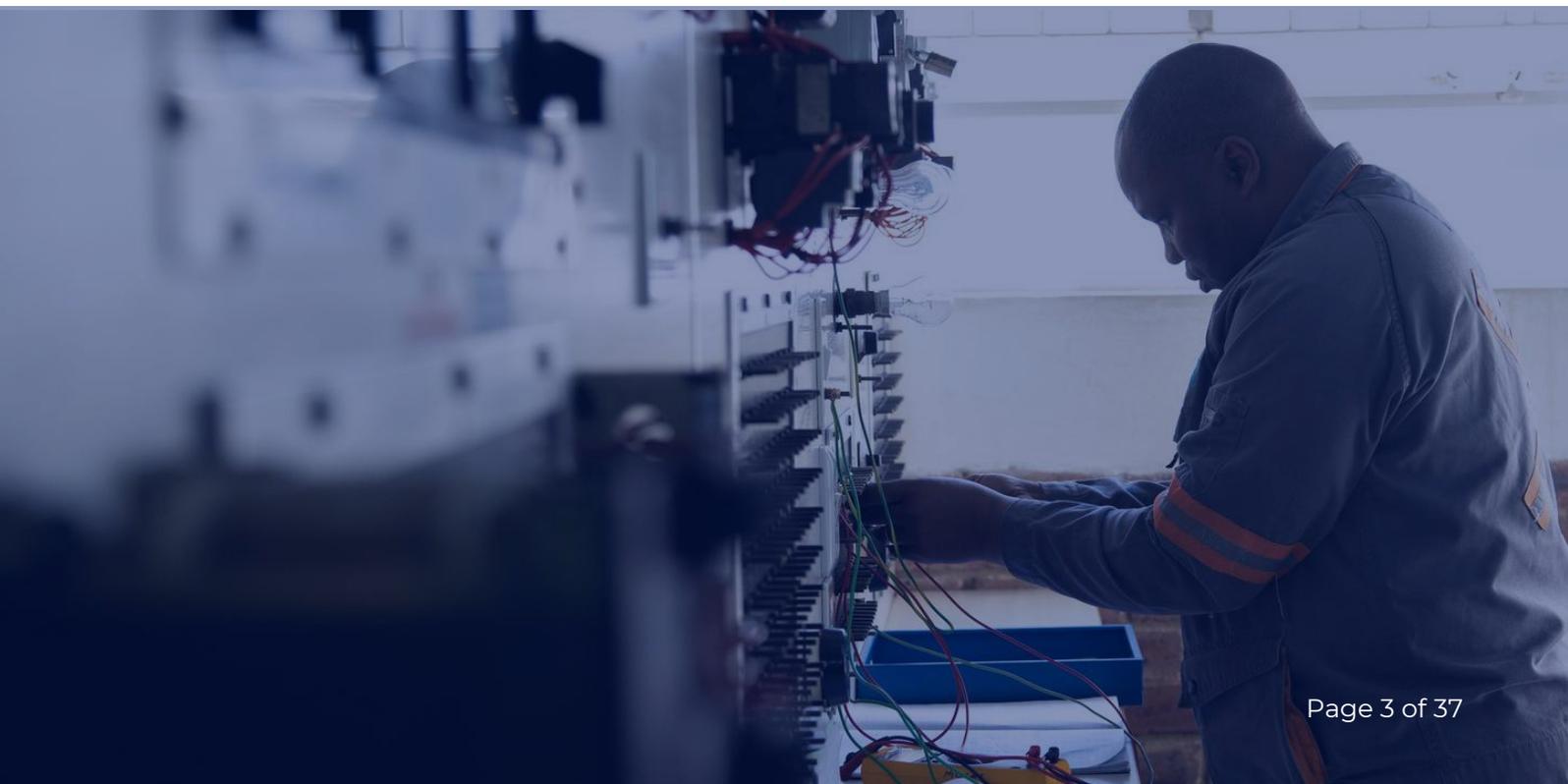
Established in 1965 and situated in Emalahleni (Witbank), Colliery Training College (CTC) has transformed itself into a leader in skills development. By providing high-quality training not just for the mining industry, but across various sectors. The centre provides engineering and mining skills for Mechanical and Electrical Artisans, Underground Mining, Surface Excavations, Mineral Processing and various specialised industry aligned short courses. Accredited by the Quality Council for Trades and Occupations (QCTO) and other relevant SETA's as Engineering and Mining Skills Development Provider and Assessment Centre.

Training at CTC

Our training is geared to meet workplace demands. The workshops and training rooms are staffed with skilled Training Officers in their various areas of expertise. We provide specific skills training and various specialised industry aligned short courses for:

- ✓ Engineering trades
- ✓ Underground mining
- ✓ Surface excavations
- ✓ Mineral Processing

Training consists of knowledge, practical and workplace experience components, conforming to the qualification's criteria.



2 Accreditations and Certification

- ✓ Accredited as Skills Development Provider (SDP) and Trade Test Centre (TTC) for both Legacy Trades and Occupational Qualifications with the Quality Council for Trades and Occupation (QCTO).
- ✓ Mining Qualifications Authority (MQA) accreditation as training provider:
 - MQA Artisan Aide Skills Programmes
 - Medium Voltage Skills Programmes
 - Underground Mining, Surface Excavations and Coal Processing – Full Qualifications and Skills Programmes
- ✓ Assessor and Moderator registrations with Department: Higher Education and Training (NAMB)
- ✓ ISO 9001:2015 certified - Quality
- ✓ ISO 45001:2018 certified - Occupational Health and Safety

3 Vision Statement

To be a leading catalyst for a highly skilled and innovative workforce, driving industry growth and safety.

4 Mission Statement

Empowering individuals, from new entrants to experienced professionals, with the essential engineering and mining skills needed for successful careers. We achieve this through a collaborative approach, working with industry partners and stakeholders to develop innovative, high-quality and industry-aligned training programs. This fosters a skilled workforce, continuous learning, safety awareness and positive community impact.



5 Our Values

This is the way we work at CTC – these are our values:



At CTC we are Passionate about what we do: We are energised by the training solutions we deliver, the challenges we face and the opportunities we create. We are motivated to unlock the potential of our learners for our customer partners.



At CTC we Pull Together: As one team united in purpose, action and spirit, we use the diversity of our people, skills and experiences in our unique and unequalled institution. We harness the strengths of our stakeholders so that we jointly and continually improve the prospects of our learners.



At CTC we trust each other: We deliver on all our commitments; to our customer partners and each other. We are recognised for our exceptional and disciplined delivery of training. We act with openness, honesty and integrity in our relationships with learners, customer partners and suppliers so that these relationships may flourish



At CTC we show that we care: The learners and other people whose futures we touch and the environment we share matter deeply to us. We nurture, develop and celebrate all of these people. We always act with their dignity, safety and health foremost in our minds.



At CTC we Shape the Future: Our facilities and long history makes us the leading skills provider in South Africa. We will constantly redefine how training gets delivered. We set demanding targets, take tough decisions and courageously seeks to achieve them. We insist on excellence and are rewarded accordingly





6 Facilities and Services

Affordable shared accommodation, meals and sporting facilities available at CTC for all Mining, Engineering and Mineral Processing students that receives training at CTC. Friendly staff and good food are part of your package. We also have 24-hour security at our premises. Accommodation is available at our two student residences, Durain and Clarain.

Durain

Durain is located on CTC's main campus with optimal space to accommodate students, in single rooms and communal facilities. There is a dining room for meals with selected DSTV channels. Since every student is important, we have the following available for their health and wellbeing:

- ✓ Swimming Pool
- ✓ Darts and board available on request at office
- ✓ Table tennis
- ✓ Tennis court – a multisport area and with an indoor size soccer field, basketball / netball and volleyball areas.

Clarain

Clarain located in Reyno Ridge, with transport daily to and from CTC main campus as required. There is a dining room for meals with selected DSTV channels. Even being away from our main campus comes with the benefits of having the following available for relaxation:

- ✓ Swimming Pool
- ✓ Darts and board available on request at office
- ✓ Table tennis



7 Engineering Full Qualifications

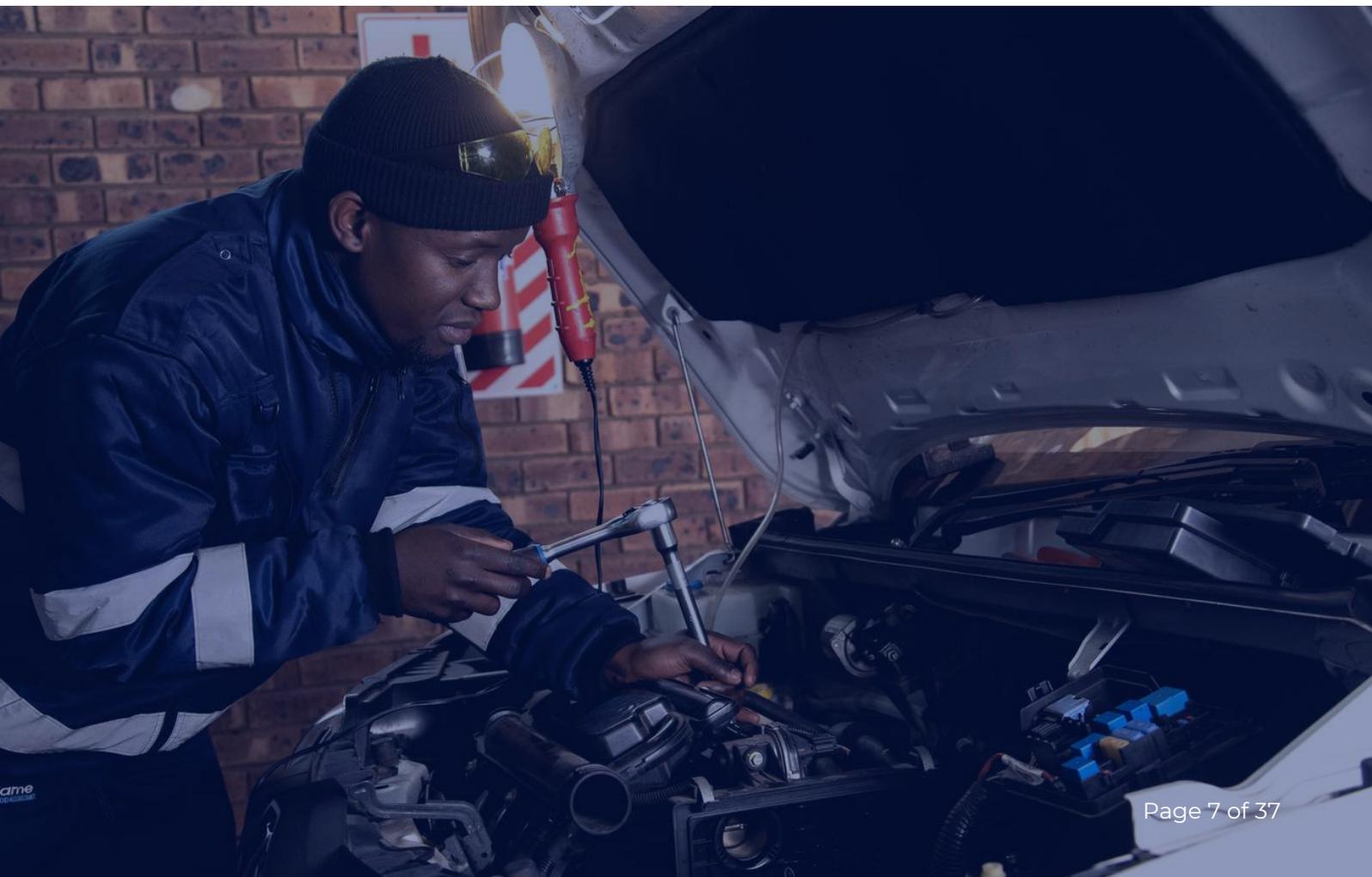


CTC delivers Engineering skills training under both Occupational Qualifications as well as the Listed (pre-2009 Legacy) Trades.

However, care must be taken when deciding on a Legacy trade since in accordance with the Occupational Qualifications Sub-Framework (OQSF) Policy 2021 that states:

- ✓ The last date of first-time learner enrolment for Pre-2009 qualifications shall be 30 June 2024.
- ✓ The last date of achievement for learners enrolled for Pre-2009 qualifications shall be 30 June 2027.

This means that any learner registered on Legacy with CTC, must be done with their full training within this accreditation period, this includes SDP (Off-Job) and Workplace (On-Job) training. CTC welcomes students on both qualifications, however, bear in mind that any student enrolled on Legacy, whether they are already registered or whether they must still be enrolled in during Q1 or Q2 of 2024, must achieve the qualification prior to 30 June 2027.



7.1 Legacy (Listed) Full Trades

Entry Requirements:

- ✓ Grade 12 with at least 40% in English, Mathematics and Physical Science.
- ✓ Minimum of N2 with four (4) subjects relevant to the trade.
- ✓ NCV level 3 with at least 40% in Mathematics (not Mathematics Literacy) and all other relevant trade specific subjects

- ✓ Compulsory
- ✓ One or the other

	Diesel Mechanic / EMEM	Auto Electrical / Electrical	Fitter / Fitter & Turner	Plater / Boilermaker	Rigger	Welder	Millwright (5 subjects)	Instrumentation
Mathematics		✓	✓	✓	✓	✓	✓	✓
Engineering Science	✓	✓	✓	✓	✓	✓	✓	✓
Engineering Drawings	✓	✓	✓		✓	✓	✓	
Diesel or Motor Trade Theory	✓							
Industrial Electronics		✓					✓	✓
Electrical Trade Theory		✓					✓	
Electrical Motor Trade Theory		✓						
Fitting & Machining Trade Theory			✓				✓	
Instrument Trade Theory								✓
Plating & Structural Steel Drawing				✓				
Platers Trade Theory				✓				
Riggers Trade Theory					✓			
Welders Trade Theory						✓		

The following Learnership Programmes are offered:

Legacy: All trades (excl. Millwright Finals) – 12 Weeks

- ✓ Automotive Electrician
- ✓ Boilermaker
- ✓ Diesel Mechanic
- ✓ Earth Moving Equipment Mechanic
- ✓ Millwright
- ✓ Electrician
- ✓ Fitting (Incl. Machining)
- ✓ Fitter & Turner
- ✓ Instrumentation Mechanician
- ✓ Plater / Welder
- ✓ Rigger Ropesman

7.2 Legacy (Listed) Training Approach

This qualification is covered in 3 phases running over a period of 12 weeks each, Basic training, Advance training and Finals: Trade Test preparation and Trade Test. (Millwright and Fitter & Turner Finals – 16 weeks)

- ✔ Basic training covers the basics of the chosen trade, including hand / power tools, measuring instruments as well as basic processes of the trade. Additional costs, those mentioned below can include Toolboxes, PPE, Multimeter and Accommodation. Millwright training comprises of 2 blocks of Basic Training.
- ✔ Advance training takes them deeper into the more complex methods and requirements of the specific trade. Millwright training comprises of 2 blocks of Advance Training.
- ✔ On-Job training (workplace exposure) 12-18 Months if you have a learnership agreement with an employer. If you are not sponsored by an employer, it will be your own responsibility to secure On-Job Training placement. The On-Job Training can be commenced before Advanced Training is started, or it can be done entirely after completion of Advanced Training. If no learnership agreement is in place 3-5 years proven experience with employers are required before a trade test may be attempted
- ✔ Final training and preparation are the preparation towards the Trade Test where they will ensure that all necessary learning has been covered and that the candidate can complete the Trade Test successfully based on both the workplace and theory aspects of the trade of choice.

7.3 Learnership / Apprenticeship Training Schedule 2025

Legacy: All trades (excl. Millwright Finals) – 12 Weeks

R 42 972.78 per course | Finals R 752.53 per day

Advance & Finals	Block 1	06 January 2025	28 March 2025
Advance & Finals	Block 2	31 March 2025	27 June 2025
Advance & Finals	Block 3	30 June 2025	19 September 2025
Advance & Finals	Block 4	22 September 2025	12 December 2025

Legacy: Millwright Finals – 16 Weeks

Finals R 752.53 per day

Millwright Finals (Only)	Block 1	06 January 2025	25 April 2025
Millwright Finals (Only)	Block 2	07 April 2025	01 August 2025
Millwright Finals (Only)	Block 3	23 June 2025	10 October 2025

 For quotations and bookings visit www.ctctraining.org

Amenities

In addition to the course fees, as stipulated learners may also require toolboxes and multi-meters; please enquire about these when asking for a quotation.

Please Note: *Toolbox and Multi-meter prices may escalate due to currency exchange rates that fluctuate.*

Toolbox and Multimeter Prices for 2025

Trade	Legacy Toolbox	Multimeter Model	Multimeter Price
Electrical	R 7 690.12	Fluke 177	R 9 762.84
Fitter	R 13 028.29	Fluke 177 IS	R 11 326.25
Plater / Welder	R 16 361.05	Fluke 28ii IS	R 20 728.20
Diesel Mechanic	R 16 470.26	Fluke 28ii IS (Thungela & Seriti)	R 23 968.60
Millwright	R 16 938.94	TBM 252	R 2 208.22
Auto Electrical	R 12 185.70		
Rigger	R 13 270.80		
Instrumentation	R 12 524.96		
Welder	R 12 025.30		

7.4 Enrolment Process

Enrolment / Booking for Basic, Advance or Final Training can take place on-line through our website. Following the prompts on the **Apply Now** tab.

Engineering Training Contact Details

Enquiries If you would like to receive further information on Apprenticeships / Learnerships, please send your details and request to: bookings@ctctraining.co.za

Quotations, Bookings and Registrations

If you would like to request a quotation or for bookings and registrations, please visit our CTC Website at www.ctctraining.org and follow the prompts on the **Apply Now** tab.

7.5

Trade Test Information

There are 2 options to select from for candidates in order to be accepted for trade testing.

- ✔ **Contracted-Learners:** A learner may be employed and registered on a learnership with the relevant seta during Basic institutionalized training with the training provider. On-job training is required with a logbook being signed off by the employer in order to apply with the relevant seta for approval and acceptance and to be ready for trade testing as a contracted-learner. Thereafter the employer may book for the Final training at CTC for the learner.
- ✔ **Non-Contracted-Learners:** RPL (Recognition of prior learning experience) testing is a requirement. The RPL test will determine the skills gap and CTC will recommend a training period for the candidate to close the gaps to be ready for the trade testing a learner who is not registered on a Learnership (apprenticeship) needs to obtain and receive relevant practical skills at a company or mine for a period of 3 years before he / she can apply with the relevant Seta for approval and acceptance for trade testing. These candidates are called non-contracted learners. Once approval has been received from the Seta, candidates can book for the RPL and final training at CTC.

Registration process

All learners are required to be registered with their relevant SETA, in order to be eligible to attempt Trade Test on the successful completion of all training modules. The SETA is the quality partner that will be responsible for generating a Learnership Agreement, as well as tracking the training progress of an individual by requiring evidence of all training completed to be captured on their respective systems. On completion of training, the SETA will then issue a Serial number to the student which is required for Trade Test. The relevant SETA will depend on the employer's preferences and normally is determined by which SETA an employer is paying the skills development levies to.

MQA Registrations

As an added service, CTC will be responsible to registering the learners with the MQA. This process is initiated by CTC as soon as a learner reports for Basic training, however the employer may also contact CTC to start the process.

1. CTC will forward an email to the employer, which will include a Learner Registration Application form, which must be fully completed and returned back to CTC along with:
 - ✔ Certified copy of ID's
 - ✔ Certified copies of qualifications
 - ✔ Confirmation letter
 - ✔ Contract of Employment
 - ✔ Training Plan
2. Information will be captured on the MQA system by CTC and the Agreement will be printed and will be shared with the 3 parties (Employer, Student and CTC) for signatures.
3. Agreement and supporting documents as mentioned previously will be submitted to the MQA for approval and uploading to their system.

All other SETA's Registrations:

The registration of learners with other SETAs, like MerSETA, EWSETA, TETA, etc. will remain the Employers responsibility. However, CTC will assist with the process in which ever why we can. All employers are urged to start this process at their earliest convenience

Minimum N2 with the relevant subjects per trade required to apply for trade testing with the relevant SETA, as stipulated in the current Trade Test Regulation.

Engineering Trade Test / ARPL Contact Details

If you would like to receive further information on the Trade Test process or are interested in following the ARPL (Artisan Recognition of Prior Learning) assessment, please send your details and request to:

- ✔ Electrical Trade Test / ARPL: adminitt@ctctraining.co.za
- ✔ Mechanical Trade Test / ARPL: engadmin@ctctraining.co.za



7.6 Occupational Full Qualifications

Entry Requirements:

- ✓ To start on an Occupational qualification, one requires at least a Grade 11.
- ✓ To exit a trade qualification, one requires at least an N2 with four trade specific subjects. As stipulated in the Trade Test Regulation.

Under Occupational Qualifications we offer the following Learnership Programmes:

- ✓ Diesel Mechanic
- ✓ Electrician
- ✓ Instrument Mechanician
- ✓ Rigger
- ✓ Fitter & Turner
- ✓ Transportation Electrician (Auto Electrician)
- ✓ Boilermaker
- ✓ Heavy Equipment Mechanic
- ✓ Mechanical Fitter
- ✓ Metal Machinist
- ✓ Welder
- ✓ Millwright

7.7 Occupational Training Approach

Please note the following information pertaining to the Occupational Qualifications:

The Occupational Qualifications' curriculum is a combination of Knowledge Modules (Trade theories that would have been covered by the TVET / FET Colleges) now a function CTC will perform, Practical Modules (Provider modules) and Workplace Experience Modules (completed, assessed and signed-off at a Workplace Approved Employer / Site).

Workplace Fundamentals is a part of the Occupational Qualification as a whole, it is modules that were identified as being generic to all Occupational trades and to ensure standardization, CTC has clustered those modules together and created a Workplace Fundamentals Course. This course consists of the following units, which must be completed by a learner prior to reporting to his/her workplace for the Workplace Experience Modules.

- ✓ **Workplace Compliance (20 days)** – Compulsory, Legislation applicable to the industry as well as trade specific.
- ✓ **First Aide and Fire Awareness Skills Programme (4 days)** – Compulsory as part of Occupational, although CTC has a contract with Ambu Training in presenting these units, an employer can choose to cover these by themselves. However, proof must be shared with CTC for us to link to the student's portfolio.
- ✓ **Computer Skills (4 days)** – Compulsory and are covered at CTC. Although the same arrangement as for the First Aide and Fire Fighting applies as long as all assessment criteria are met.

- ✔ CTC presents 2 study schools over the same period as needed to complete a Block's training, a learner can be booked according to the available schedule. However, care must be taken that the dates does not interfere with the time spend at CTC.

Phase training, Knowledge and Practical Modules.

Most trades will be covered over 3 Phases and the Finals. Fitter and Turner will take 4 phases and Finals, and Millwright will be completed in 6 phases (3 Electrical and 3 Mechanical) as well as Finals.

Phases can be done as per client preferences within the provided schedule, e.g.:

- ✔ Phase 1, Phase 2, Workplace Fundamentals, Workplace, Phase 3, Workplace, Finals;
- ✔ Workplace Fundamentals, Phase 1, Workplace, Phase 2, Workplace, Phase 3, Workplace, Finals; or
- ✔ Other sequence as per employer's needs.

Workplace Experience Modules

100% of all modules must be successfully completed prior to a learner attempting final assessments. The duration of the Workplace Experience depends on the credits linked to the respective trade and all modules / tasks must be fully completed and signed off prior to the learner returning for Finals / EISA. A logbook will be issued to the learner, and they must obtain the necessary exposure / experience in completing the required tasks, in the presence of a qualified / competent coach / mentor (like an artisan). The duration of Workplace Exposure at the Workplace Approved site will depend on the Credits (Notional Hours) linked to the respective Qualification. Attention also needs to be given to the fact that the Workplace must have Workplace Approval with the relevant Quality Partner.

Finals, ISA and EISA.

Final training which is preparation including the ISA (Internal Summative Assessment), will be covered over a 16-week period, for the single trades. Double trades will be given a 20- week time period to preparation for the EISA. The ISA will be attempted at the end of the preparation and contains theoretical and practical components. On successful completion of the ISA, an application for EISA (External Integrated Summative Assessment) along with all required documentation, will be submitted to the QCTO. The application form with copies of the students ID, qualifications, CCD's and Statement of Results for the ISA needs to be shared as supporting documentation. On receiving approval and serial number from the QCTO, a student will be booked for the EISA – final assessment. (Trade Test).



Trades

Training Course	Description	Duration
Workplace Fundamentals	Workplace Compliance (Legislation)	20 days
	First Aid Course	3 days
	Basic Fire Awareness	1 day
	Basic Computer Skills	4 days
Phase 1	Phase 1 trade specific training	12 weeks
Phase 2	Phase 2 trade specific training	12 weeks
Phase 3	Phase 3 trade specific training	12 weeks
Workplace Experience	Workplace Modules to be performed, completed and signed off by a competent person, at a Workplace Approved site.	Depended on credits linked to specific trade.
Finals / EISA	Finals includes summative assessment preparation, Internal Summative Assessment (ISA) and External Integrated Summative Assessment (EISA)	4 months (16 weeks)

Fitter and Turner

Training Course	Description	Duration
Workplace Fundamentals	Workplace Compliance (Legislation)	20 days
	First Aid Course	3 days
	Basic Fire Awareness	1 day
	Basic Computer Skills	4 days
Phase 1	Phase 1 trade specific training	12 weeks
Phase 2	Phase 2 trade specific training	12 weeks
Phase 3	Phase 3 trade specific training	12 weeks
Phase 4	Phase 4 trade specific training	12 weeks
Workplace Experience	Workplace Modules to be performed, completed and signed off by a competent person, at a Workplace Approved site.	Depended on credits linked to specific trade.
		Fitter & Turner
Finals / EISA	Finals includes summative assessment preparation, Internal Summative Assessment (ISA) and External Integrated Summative Assessment (EISA)	5 months (20 weeks)

Millwright

Training Course	Description	Duration
Workplace Fundamentals	Workplace Compliance (Legislation)	20 days
	First Aid Course	3 days
	Basic Fire Awareness	1 day
	Basic Computer Skills	4 days
Phase 1	Phase 1 Electrical specific training	12 weeks
	Phase 1 Mechanical specific training	12 weeks
Phase 2	Phase 2 Electrical specific training	12 weeks
	Phase 2 Mechanical specific training	12 weeks
Phase 3	Phase 3 Electrical specific training	12 weeks
	Phase 3 Mechanical specific training	12 weeks
Workplace Experience	Workplace Modules to be performed, completed and signed off by a competent person, at a Workplace Approved site.	Depended on credits linked to specific trade.
		Millwright
Finals / EISA	Finals includes summative assessment preparation, Internal Summative Assessment (ISA) and External Integrated Summative Assessment (EISA)	5 months (20 weeks)

Please Note

- ✔ That the Occupational Qualification will be the only Qualification available to enrol in as from the 30 June 2024.
- ✔ All Private Students can also still enrol in the Occupational Qualification, it is not only for employed students. However, it is crucial to have access to a site with Workplace Approval.
- ✔ Workplace Fundamentals and all sub-units are available to anyone looking to improve their skills, even if you are not interested in a trade.



7.8

Learnership / Apprenticeship Training Schedule 2025

Occupational: Workplace Fundamentals (All Trades) – 24 days

R 10 410.39 per course

Workplace Fundamentals 1	Intake 1	08 January 2025	14 February 2025
Workplace Fundamentals 2	Intake 2	17 February 2025	27 March 2025
Workplace Fundamentals 3	Intake 3	31 March 2025	16 May 2025
Workplace Fundamentals 4	Intake 4	19 May 2025	26 June 2025
Workplace Fundamentals 5	Intake 5	30 June 2025	06 August 2025
Workplace Fundamentals 6	Intake 6	13 August 2025	19 September 2025
Workplace Fundamentals 7	Intake 7	22 September 2025	30 October 2025
Workplace Fundamentals 8	Intake 8	03 November 2025	10 December 2025

 For quotations and bookings visit www.ctctraining.org

Occupational: Workplace Fundamentals (All Trades) – Breakdown

Course Content	Days	Costs	Schedule
Workplace Compliance	20 days	R 4 286.63	See above schedule
First Aid Level 2	3 days	R 2 265.79	See above schedule
Basic Fire Awareness	1 day	R 796.09	See above schedule
Basic Computer Course	4 days	R 3 061.88	See above schedule

 For quotations and bookings visit www.ctctraining.org

Occupational: All trades – 12 Weeks

R 42 972.78 per course

Phase 1 - 4	Block 1	06 January 2025	28 March 2025
Phase 1 - 4	Block 2	31 March 2025	27 June 2025
Phase 1 - 4	Block 3	30 June 2025	19 September 2025
Phase 1 - 4	Block 4	22 September 2025	12 December 2025

 For quotations and bookings visit www.ctctraining.org

Amenities

In addition to the course fees, as stipulated learners may also require toolboxes and multi-meters; please enquire about these when asking for a quotation.

Please Note: Toolbox and Multi-meter prices may escalate due to currency exchange rates that fluctuate.

Toolbox and Multimeter Prices for 2025

Trade	Occupational Toolbox	Multimeter Model	Multimeter Price
Electrical	R 8 172.98	Fluke 177	R 9 762.84
Fitter	R 13 028.29	Fluke 177 IS	R 11 326.25
Plater / Welder	R 16 361.05	Fluke 28ii IS	R 20 728.20
Diesel Mechanic	R 22 718.81	Fluke 28ii IS (Thungela & Seriti)	R 23 968.60
Millwright	R 16 938.94	TBM 252	R 2 208.22
Auto Electrical	R 12 784.07		
Rigger	R 13 270.80		
Instrumentation	R 15 611.51		
Welder	R 12 025.30		

 For quotations and bookings visit www.ctctraining.org

7.9 Registration Process

Registration for Basic, Advance or Final Training can take place on-line through our website. Following the prompts on the **Apply Now** tab.

Engineering Training Contact Details

Enquiries If you would like to receive further information on Apprenticeships / Learnerships, please send your details and request to: bookings@ctctraining.co.za

Quotations, Bookings and Registrations

If you would like to request a quotation or for bookings and registrations, please visit our CTC Website at www.ctctraining.org and follow the prompts on the **Apply Now** tab.

8 Engineering Skills Programmes



8.1 Skills Programmes

MQA Artisan Aide Level 2 – All disciplines

The MQA Accredited Skills Program may be the ideal platform for obtaining credits towards the National Certificate in Engineering (NQF Level 2) and the other engineering apprenticeship qualifications or related sub-fields.

Entry Requirements:

- ✓ Candidates boarding on learning towards this skills program must have ABET 4 / NQF Level 1 or Grade 9 with English and Mathematics or equivalent.
- ✓ A candidate must have worked as an Artisan assistant or Artisan aide on the specific trade to be considered for the Skills Program.

Engineering Skills Programmes

- ✓ Boilermaker
- ✓ Diesel Mechanic
- ✓ Electrical
- ✓ Fitting (Incl. Machining)
- ✓ Instrumentation
- ✓ Rigger
- ✓ Medium Voltage Switching

8.2 Skills Programmes Training Schedule 2025

MQA Skills Programme – Artisan Aide

Skills Programmes	Duration	Costs	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Artisan Aide: Diesel Mechanic	8 Weeks	R 28 648.40	06 Jan – 28 Feb 2025	31 Mar – 30 May 2025	30 Jun – 22 Aug 2025	22 Sep – 14 Nov 2025
Artisan Aide: Electrical	4 Weeks	R 14 324.20	06 Jan – 31 Jan 2025	31 Mar – 25 Apr 2025	30 Jun – 25 Jul 2025	22 Sep – 17 Oct 2025
Artisan Aide: Fitting (Incl. Machinery)	10 Weeks	R 35 810.50	06 Jan – 14 Mar 2025	31 Mar – 13 Jun 2025	30 Jun – 05 Sep 2025	22 Sep – 28 Nov 2025
Artisan Aide: Instrumentation	4 Weeks	R 14 324.20	06 Jan – 31 Jan 2025	31 Mar – 25 Apr 2025	30 Jun – 25 Jul 2025	22 Sep – 17 Oct 2025
Artisan Aide: Plater / Welder	5 Weeks	R 17 905.25	06 Jan – 07 Feb 2025	31 Mar – 09 May 2025	30 Jun – 01 Aug 2025	22 Sep – 24 Oct 2025

9 Coal Mining and Mineral Processing

A production miner/blaster or mineral processing plant operator supervises the crew, machines and equipment involved in the operation of mining or processing of coal. Just as coal is vital to the future of our country, production miners/blasters and processing plant operators are vital to the future of our coal mining industry. The industry requires these skilled and competent people that are all trained at CTC.

The production miner/blaster or **mineral processing plant operators** are in charge of underground, opencast, or plant production and are responsible for the health and safety of the employees that are supervised, and for the attainment of set production targets. Coal mining today is highly mechanised and the production miners/blasters and process operators are responsible for the efficient operation of sophisticated mining machinery.

9.1 Surface Excavations Training

OPENCAST BLASTING CERTIFICATE / NATIONAL CERTIFICATE: SURFACE EXCAVATIONS (FULL TIME)

Learners will complete all the required theoretical and practical training and assessments as well as complete the required minimum number of shifts in order to be accepted as a candidate for the DMR Blasting Board. The training also includes the Competent Person A for Surface Excavations and Blasting Assistant for Surface Mines.

Requirements	Training Breakdown	Costs	Duration	Dates
<p>Learners registered on National Certificate:</p> <ul style="list-style-type: none"> Grade 11 with Math / Math lit or N2 Maths Employer must be MQA levy paying. <p>Learners following DMR route:</p> <ul style="list-style-type: none"> Grade 10 N1 with 6 subjects ABET Level 3 or equivalent <p>As from 01 June 2017 all learners need to obtain the relevant DMR Blasting Certificate</p> <p>Candidate must bring:</p> <ul style="list-style-type: none"> Required PPE Valid certificate of medical fitness Valid first aid certificate 	<ul style="list-style-type: none"> Training done in 6 phases: Fundamentals (2 weeks) – Maths/Literacy refresher Phase 1 (5 weeks) – Health and Safety and environment incl. introduction to Strata Phase 2 (5 weeks) – Drilling and introduction to explosive Phase 3 (5 weeks) – Blasting practice and procedures Phase 4 (5 weeks) – Plan reading and transport Board preparation (1 week) – Preparation for final board exam Final Summative Assessment (1 day) <p>After completion of the above application will be made to the DMR for acceptance to the DMR Opencast Blasting Board Exam.</p> <p>Date for this examination will be supplied by the DMR.</p>	<p>Fundamentals: R 10 692.19</p> <p>Phase 1 - 4: R 26 732.31 per phase</p> <p>Board Prep: R 6 415.75</p> <p>Estimated total training cost: R 126 327.83</p>	24 weeks (Full time)	<p>Q1/2025 06/01/2025 – 27/06/2025</p> <p>Q2/2025 17/03/2025 – 05/09/2025</p> <p>Q3/2025 02/06/2025 – 14/11/2025</p> <p>Q4/2025 1/08/2025 – February 2026</p> <p>Q5/2025 20/10/2025 – April 2026</p>

**OPENCAST BLASTING CERTIFICATE / NATIONAL CERTIFICATE:
SURFACE EXCAVATIONS (PART TIME)**

Learners will complete all the required theoretical and practical training and assessments as well as complete the required minimum number of shifts in order to be accepted as a candidate for the DMR Blasting Board. The training also includes the Competent Person A for Surface Excavations and Blasting Assistant for Surface Mines.

Requirements	Training Breakdown	Costs	Duration	Dates
<p>Learners registered on National Certificate:</p> <ul style="list-style-type: none"> Grade 11 with Math / Math lit or N2 Maths Employer must be MQA levy paying. <p>Learners following DMR route:</p> <ul style="list-style-type: none"> Grade 10 N1 with 6 subjects ABET Level 3 or equivalent <p>As from 01 June 2017 all learners need to obtain the relevant DMR Blasting Certificate.</p> <p>To be accepted as a candidate for the On-site route, learners must have:</p> <ul style="list-style-type: none"> Proof of at least 2 years supervisory experience Diploma or degree in Mining or relevant field <p>Candidate must bring:</p> <ul style="list-style-type: none"> Required PPE Valid certificate of medical fitness Valid first aid certificate 	<p>Training done in 6 phases:</p> <ul style="list-style-type: none"> Fundamentals (2 weeks) – Maths/Literacy refresher Phase 1 (1 week) – Health and Safety and environment incl. introduction to Strata Phase 2 (1 week) – Drilling, introduction to explosives, plan reading and transport \ Phase 3 (1 week) – Blasting \ Phase 4 (1 week) – Practical exposure Board preparation (1 week) – Preparation for final board exam Final Summative Assessment (1 day) <p>Learners will receive a class attendance schedule, indicating on which dates they are required to attend class at CTC = one week every month for a period of 6 months.</p> <p>After completion of the above application will be made to the DMR for acceptance to the DMR Opencast Blasting Board Exam.</p> <p>Date for this examination will be supplied by the DMR</p>	<p>Fundamentals: R 10 692.19</p> <p>Phase 1 - 4: R 9 276.28 per phase</p> <p>Board Prep: R 6 415.75</p> <p>Estimated total training cost: R 54 213.06</p>	<p>24 weeks (Part time) – As per schedule</p>	<p>E1/2025 03/02/2025 TO 01/08/2025</p> <p>E2/2025 14/07/2025 TO 2026</p>

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COMPETENT PERSON A: SURFACE EXCAVATIONS – SKILLS PROGRAMME

Learners will complete the required theoretical training and assessment including one day practical exposure/assessment.

Requirements	Training Breakdown	Costs	Duration	Dates
<p>Learners must be able to read and write</p> <ul style="list-style-type: none"> Required items of PPE Valid certificate of medical fitness Certified copy of ID Certified copy of qualification <p>This course is a legal requirement for any person that inspects and declares a workplace safe on an opencast mining operation.</p>	<p>Learners will be required to attend class at CTC for 8 days and complete on-job training if required.</p> <p>Learners that don't have sufficient relevant mining experience will be required to complete an on-job logbook on an operational mine. To complete the logbook will take ± 1-2 weeks.</p> <p>On successful completion of the practical assessment, the learner's final registration and certification will be done by the MQA.</p>	R 8 472.68	8 days + on-job training and assessment	<p>C1/2025 20-29 Jan 2025</p> <p>C2/2025 17-26 Feb 2025</p> <p>C3/2025 25 Mar – 02 Apr 2025</p> <p>C4/2025 05-14 May 2025</p> <p>C5/2025 2-11 Jun 2025</p> <p>C6/2025 07-16 Jul 2025</p> <p>C7/2025 04-13 Aug 2025</p> <p>C8/2025 01-10 Sep 2025</p> <p>C9/2025 06-15 Oct 2025</p> <p>C10/2025 03-12 Nov 2025</p> <p>C11/2025 01-10 Dec 2025</p>



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BLASTING ASSISTANT: SURFACE EXCAVATIONS – SKILLS PROGRAMME

Learners will complete the required theoretical training and assessment including one day practical exposure/assessment.

Requirements	Training Breakdown	Costs	Duration	Dates
<p>Learners must be able to read and write</p> <ul style="list-style-type: none"> Required items of PPE Valid certificate of medical fitness Certified copy of ID Certified copy of qualification 	<p>Learners will be required to attend class at CTC for 8 days and complete on-job training if required.</p> <p>Learners that don't have sufficient relevant mining experience will be required to complete an on-job logbook on an operational mine. To complete the logbook will take ± 1-2 weeks.</p> <p>On successful completion of the practical assessment, the learner's final registration and certification will be done by the MQA.</p>	R 8 472.68	8 days + on-job training and assessment	<p>B1/2025 08-17 Jan 2025</p> <p>B2/2025 03-12 Feb 2025</p> <p>B3/2025 03-12 Mar 2025</p> <p>B4/2025 07-16 April 2025</p> <p>B5/2025 19-28 May 2025</p> <p>B6/2025 3 Jun – 02 Jul 2025</p> <p>B7/2025 21-30 Jul 2025</p> <p>B8/2025 18-27 Aug 2025</p> <p>B9/2025 15-23 Sep 2025</p> <p>B10/2025 20-29 Oct 2025</p> <p>B11/2025 17-26 Nov 2025</p>



For quotations and bookings visit www.ctctraining.org. For Mining Opencast availabilities contact **013 689 3121** (ext. 270/205) or email mingoc@ctctraining.co.za or mingocadmin@ctctraining.co.za

9.2 Underground Mining Training

LEARNERSHIP FOR BLASTING CERTIFICATE QUALIFICATION

Production Training within a production section of the mine. This phase of training takes place in all relevant service departments on the mine and include general mining work. At a later stage all the above branch into:

- ✓ Blasting Certificate Qual
- ✓ Continuous Miner Qual
- ✓ Longwall Mining Qual

On the successful completion of the above Qualifications, the student will also have obtained the following certificates

- ✓ Gas Testing
- ✓ Flameproof for Supervisors
- ✓ Skills Programme Fall of Ground Competent Person “A” (DMR route)

Requirements	Training Breakdown	Costs	Duration	Dates
Learners registered on National Certificate: <ul style="list-style-type: none"> • Grade 11 with Math / Math lit or N2 Maths • Employer must be MQA levy paying. Learners following DMR route: <ul style="list-style-type: none"> • Grade 10 • N1 with 6 subjects • ABET Level 3 or equivalent Candidate must bring: <ul style="list-style-type: none"> • Required items of PPE • Valid certificate of medical fitness • Certified copy of ID • Certified copy of qualification • Necessary Application for Training form • Service Level Agreement 	During the Basic Training, all students will complete the core, fundamental and specific modules / unit standards, some of the modules include: <ul style="list-style-type: none"> • Elementary mining (Ventilation, dust, etc.) • Support • Cutting • Drilling • Blasting • Loading • Conveyor belts 	Per day: R 1 069.29 Estimated total training cost: R 160 393.50	30 weeks (Full time)	TBA

For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact 013 691 9933/4/5 or email miningug@ctctraining.co.za

BLASTING BOARD PREP

Preparation for Blasting Board. Blasting Board - Exam.

Requirements	Training Breakdown	Costs	Duration	Dates
<p>Successful completion of Learnership for Blasting Certificate Candidate must bring:</p> <ul style="list-style-type: none"> • Required items of PPE • Valid certificate of medical fitness • Certified copy of ID • Certified copy of qualification • Necessary Application for Training form • Service Level Agreement 	<p>After completion of the above application will be made to the DMR for acceptance to the DMR Underground Blasting Board Exam.</p> <p>Date for this examination will be supplied by the DMR.</p>	<p>Per day: R 1 069.29</p> <p>Estimated total training cost: R 5 346.45</p>	<p>4 days (prep)</p> <p>1 day (exam)</p>	TBA

 For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 691 9933/4/5** or email miningug@ctctraining.co.za

BLASTING ASSISTANT: UNDERGROUND MINING

Learners will complete the required theoretical training and assessment including one day practical exposure/assessment.

Requirements	Training Breakdown	Costs	Duration	Dates
<p>Learners must be able to read and write</p> <ul style="list-style-type: none"> • Required items of PPE • Valid certificate of medical fitness • Certified copy of ID • Certified copy of qualification 	<p>Learners will be required to attend class at CTC for 5 days and complete on-job training if required.</p> <p>Learners that don't have sufficient relevant mining experience will be required to complete an on-job logbook on an operational mine. To complete the logbook will take ± 1-2 weeks.</p> <p>On successful completion of the practical assessment, the learner's final registration and certification will be done by the MQA.</p>	R 5 354.50	5 days	TBA

 For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 691 9933/4/5** or email miningug@ctctraining.co.za



FALL OF GROUND COMPETENT “A” (UNDERGROUND COAL) - SKILLS PROGRAMME

Learners will complete the required theoretical training and assessment including one day practical exposure/assessment.

This course is a legal requirement for any person that inspects and declares a workplace safe on an underground mining operation.

Requirements	Training Breakdown	Costs	Duration	Dates
<p>Learners must be able to read and write, with a minimum of 10 days underground exposure.</p> <p>A candidate must be in possession of:</p> <ul style="list-style-type: none"> • Personal information document • Certified copy of ID • Copy of Medical Fitness Certificate • Underground clothing and PPE • CTC Application for training 	<p>Learners will be required to attend class at CTC for 5 days and complete on-job training if required.</p> <p>Learners that don't have sufficient relevant mining experience will be required to complete an on-job logbook on an operational mine. To complete the logbook will take ± 1-2 weeks.</p> <p>On successful completion of the practical assessment, the learner's final registration and certification will be done by the MQA.</p>	R 5 354.50	5 days	TBA

 For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 691 9933/4/5** or email miningug@ctctraining.co.za



FALL OF GROUND COMPETENT “B” (UNDERGROUND COAL) - SKILLS PROGRAMME

Learners will complete the required theoretical training and assessment including one day practical exposure/assessment.

This course is a legal requirement for any person that inspects, makes safe and declares a workplace safe on an underground mining operation.

Requirements	Training Breakdown	Costs	Duration	Dates
<p>Learners must be able to read and write, with a minimum of 10 days underground exposure.</p> <p>A candidate must be in possession of:</p> <ul style="list-style-type: none"> • Personal information document • Certified copy of ID • Copy of Medical Fitness Certificate • Underground clothing and PPE • CTC Application for training 	<p>Learners will be required to attend class at CTC for 5 days and complete on-job training if required.</p> <p>Learners that don't have sufficient relevant mining experience will be required to complete an on-job logbook on an operational mine. To complete the logbook will take ± 1-2 weeks.</p> <p>On successful completion of the practical assessment, the learner's final registration and certification will be done by the MQA.</p>	R 5 354.50	5 days	TBA

 For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 691 9933/4/5** or email miningug@ctctraining.co.za



SPECIALISED UNDERGROUND MINING SKILLS TRAINING: GAS TESTING

This course aligns with the DMR requirements. Practical Assessment conducted in an underground production section. Theory Assessments are conducted in the presence of a testing board

Content includes:

- ✓ Gases
- ✓ Regulations
- ✓ Underground workshops
- ✓ Ventilation
- ✓ Gas testing practices

Minimum Requirements	Target Population	Costs	Duration	Dates
PPE (Overall, Hard hat, Safety boots, Glasses, lampie belt) Minimum of 3 months relevant underground exposure in a production section of a fiery coal mine Valid Red ticket	All Mining students that are required to work in an underground fiery (coal) mine	R 7 535.98	2 weeks	TBA

 For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 691 9933/4/5** or email miningug@ctctraining.co.za



SPECIALISED UNDERGROUND MINING SKILLS TRAINING: FLAMEPROOFING - INSPECTION OF FLAMEPROOF EQUIPMENT (MINING)

Practical Assessment conducted in a controlled environment. Theory is assessed through Computer Based Assessments. Candidate will be issued with a certificate of competency on successful completion of the course

Content includes:

- ✓ Methane, Hydrogen and coal dust
- ✓ Standards and modifications
- ✓ Flameproof Enclosure
- ✓ Diesel Engines

Minimum Requirements	Target Population	Costs	Duration	Dates
PPE	Mining and Operational personnel	R 5 370.59	5 Days	TBA

 For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 691 9933/4/5** or email miningug@ctctraining.co.za



SPECIALISED UNDERGROUND MINING SKILLS TRAINING: SHE REPRESENTATIVE

SHE Rep Training gives the relevant staff insight and understanding to their responsibilities, roles and functions.

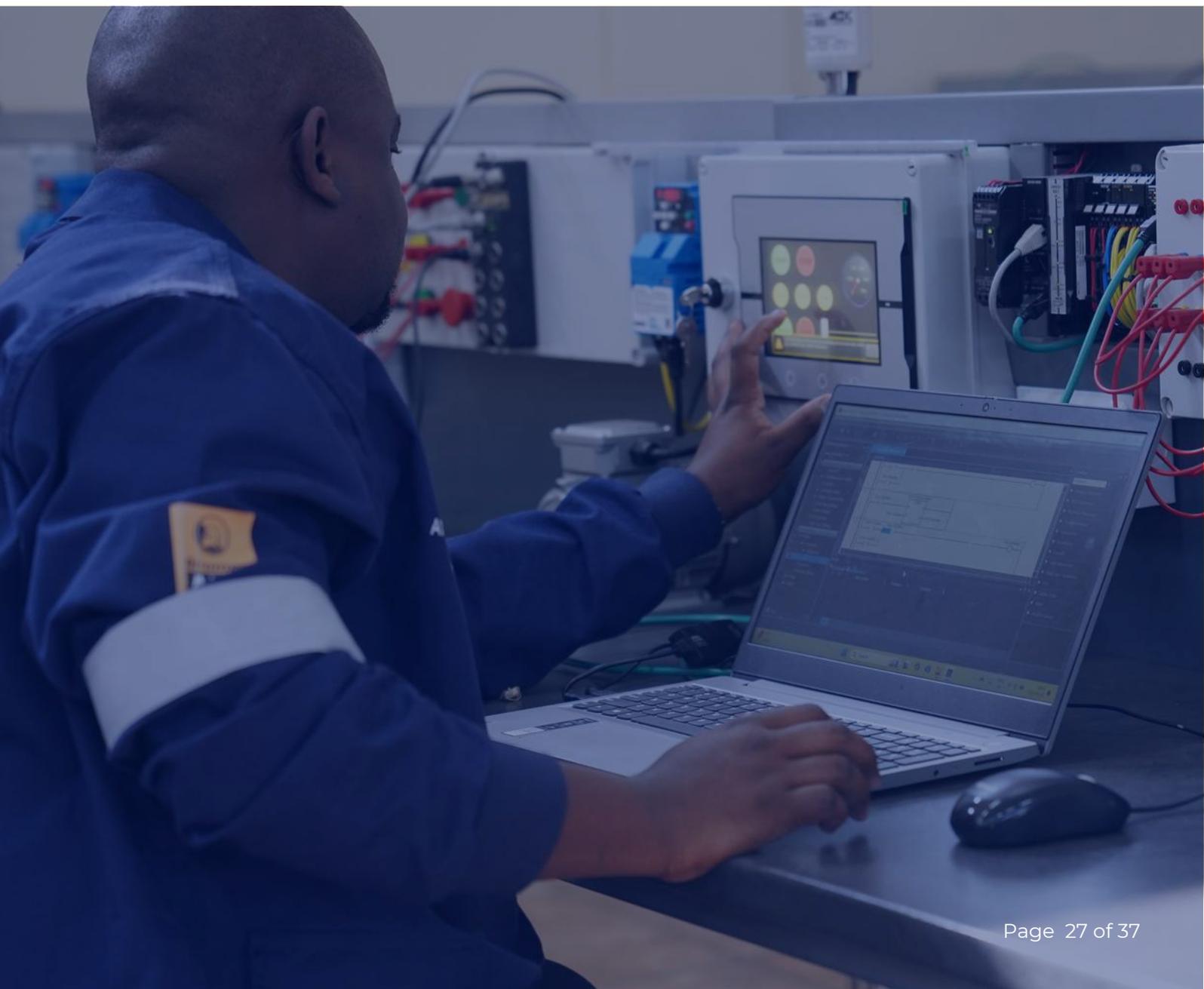
Benefits of SHE Rep Training:

- ✔ Needed for compliance to the Occupational Health and Safety (OHS) Act
- ✔ Giving your staff reassurance that the best interests of their health and safety is being protected by representatives from their co-workers.

Minimum Requirements	Target Population	Costs	Duration	Dates
PPE	Safety Representatives	R 5 311.87	5 Days	TBA

For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 691 9933/4/5** or email miningug@ctctraining.co.za

PLEASE REMEMBER THAT COURSE FEES DO NOT INCLUDE COURSE MANUALS, ASSESSMENT FEES, TRAVELLING OR ACCOMMODATION EXPENSES.



9.3 Mineral Processing Training

Basic Coal Preparation

Basic Coal Preparation for Plant Operators The course is presented over a period of 7 weeks, 2 days per week for theoretical lecturing, and learners are given the opportunity to complete on-job practical training to complete their workbook within these 7 weeks. After the 7 weeks spent for theory, learners are scheduled for practical assessments which is conducted at CTC. The course is mainly aimed at training plant operators in all basic principles of mineral processing. It provides plant operators with the necessary skills to master all mineral processing techniques in order to meet the various requirements for the utilisation potential of ore. For more information and specific modules/unit standards, please feel free to contact CTC's Mineral Processing Department

Entry Requirements:

A student wishing to register for the Basic Coal Preparation course must have a minimum educational qualification of Grade 9 / ABET Level 4 (Maths and English).

Course Information:

- ✓ A maximum of 25 students and a minimum of 10 students will be accepted for each course.
- ✓ Candidate nominations must be submitted to CTC before 03 February 2025.
- ✓ Assessments consists of:
 - A theoretical written exam for each unit standard – pass mark 50%
 - A practical assessment for each unit standard – pass mark 80%
- ✓ Students must complete all projects and tasks contained in the On-Job Practical training course to be eligible for the practical assessments.
- ✓ An overall average of 90% is a pass mark with distinction.
- ✓ Below 80% but not less than 50% in the practical assessment, the student will be re-assessed up to a third attempt.
- ✓ No course material will be issued prior to commencement of the course.
- ✓ The course program for each Module will be issued on the date of commencement.

Course Content	Duration	Costs	Schedule
Class 1	7 weeks at 2 days/week	R 18 346.76 R 1 310.48 per day	03 February – 20 March 2025
Class 2	7 weeks at 2 days/week	R 18 346.76 R 1 310.48 per day	21 April – 12 June 2025
Class 3	7 weeks at 2 days/week	R 18 346.76 R 1 310.48 per day	17 June – 31 July 2025
Class 4	7 weeks at 2 days/week	R 18 346.76 R 1 310.48 per day	18 August – 02 October 2025
Class 5	7 weeks at 2 days/week	R 18 346.76 R 1 310.48 per day	20 October – 04 December 2025

Advanced Coal Preparation

The course is aimed at more senior mineral processing personnel and provides the student with a wider and more advanced scope regarding Coal Preparation and utilization in general. It also prepares the student to play a more meaningful role in the management of the ore beneficiation environment. It is presented during four 3-week study schools, over a period of a year. Apart from the final theoretical examination for each study school, the student is required to do a thesis, which is to be presented to a panel of external examiners after completion of all four study schools. For more information and specific modules/unit standards, please feel free to contact CTC's Mineral Processing Department

Entry Requirements:

- ✔ A minimum of educational qualification of Grade 10 (with Maths and English) and must have completed the Basic Coal Preparation course.
- ✔ A maximum of 15 nominations and a minimum of 8 will be accepted on the course.
- ✔ The entire course must be completed in one calendar year.

Course Information:

- ✔ Candidate nominations must be submitted to CTC before 05 December 2025.
- ✔ Candidates will be credited for each module and project passed.
- ✔ The pass mark for the course is an overall average of 50%. An overall average of 80% is a pass mark with distinction.
- ✔ A certificate will be issued on successful completion of all modules.
- ✔ Modules 1 to 4: Theoretical examination papers 1 and 2 covering Coal Beneficiation II syllabus.
- ✔ Modules 3 and 4: Theoretical examination papers 3 and 4 covering Coal Beneficiation Plant II syllabus.
- ✔ The minimum pass mark to obtain a credit for the modules is 50%. Below 50% for either the class average or the final examination, but not less than 45%, the candidate may apply to write a supplementary examination. Below 45% in any of the said categories will disqualify the candidate for a re-write.
- ✔ Project: Minimum pass mark 50% (A 200-hour practical project after completion of all 4 modules).
- ✔ No course material will be issued prior to commencement of the course.
- ✔ The course program for each Module will be issued on the date of commencement.

Course Content	Duration	Costs	Schedule
Study School 1 – Module 1 Examination	3 weeks	R 19 657.20 R 1 310.48 per day	13 - 31 January 2025
Study School 1 – Re-Assessment	4 days		31 January 2025
Study School 2 – Module 2 Examination	3 weeks	R 19 657.20 R 1 310.48 per day	02 - 18 April 2025
Study School 3 – Module 3 Examination	3 weeks	R 19 657.20 R 1 310.48 per day	28 July - 15 August 2025
Study School 4 – Module 4 Examination	3 weeks	R 149 657.20 R 1 310.48 per day	29 September - 17 October 2025
Projects Submission			Due date 27 November 2025
Project Presentation Dates			08-12 December 2025

🌐 For quotations and bookings visit www.ctctraining.org. For Mineral Processing availabilities contact **013-692 3121** (ext. 220/231) or email wsmnguni@ctctraining.co.za or jjtibane@ctctraining.co.za

PLEASE REMEMBER THAT COURSE FEES DO NOT INCLUDE COURSE MANUALS, ASSESSMENT FEES, TRAVELLING OR ACCOMMODATION EXPENSES.





10 Short Courses

The safety of every artisan, technician, and supervisor begins with the right training. This specialised stream of short courses equips individuals with the essential knowledge and practical skills to operate safely and compliantly in high-risk environments. From working at heights to scaffold handling and electrical compliance, these programmes ensure that learners meet regulatory standards and industry best practices.

Whether you're supporting engineering teams, working in industrial maintenance, or preparing to issue Certificates of Compliance, these courses are vital for professional credibility and workplace safety. All training is delivered by experienced professionals and backed by CTC's strong reputation in skills development.

10.1 Working At Heights

This intensive two-day programme equips participants with essential skills to work safely at elevated levels. You'll learn to:

- Correctly use fall-arrest systems and harnesses
- Implement safe access techniques, including ladders and anchorage systems
- Conduct hazard assessments and plan secure work-at-height operations
- Execute emergency rescue procedures under professional guidance

On completion, trainees will gain the confidence and competence to perform tasks above ground level while fully complying with safety regulations and industry standards.

Requirements	Costs	Duration
<ul style="list-style-type: none"> • Minimum Grade 10 • Valid Certificate of Fitness 	Total training cost: R 2 070.00	2 Days

 For quotations and bookings visit www.ctctraining.org. For Course availabilities contact **+27 13 692 3121/2/3/4/5/6** or email bookings@ctctraining.co.za



10.2 Scaffold Erecting & Dismantling

This intensive two-day programme prepares participants to safely erect, inspect, and dismantle scaffolding structures. The course covers:

- Identification and control of scaffold-related hazards (falls, electrical, falling objects)
- Correct procedures for assembly, securing, inspection, alteration, and dismantling
- Understanding load capacities, design requirements, and safe access
- Use of fall-protection systems and personal protective equipment
- Competent-person roles, regulatory compliance, and best practices
- Practical, hands-on exercises under guided supervision

Requirements	Costs	Duration
<ul style="list-style-type: none"> • Working at Heights • Minimum Grade 10 • Valid Certificate of Fitness 	Total training cost: R 2 070.00	2 Days

 For quotations and bookings visit www.ctctraining.org. For Course availabilities contact **+27 13 692 3121/2/3/4/5/6** or email bookings@ctctraining.co.za

10.3 Scaffold Inspection & Safety

Designed for those ready to step into a safety-critical role, this comprehensive two-day course dives into formal scaffold inspection and site safety. Participants will learn to:

- Conduct detailed inspections in line with SANS10085 and South African Construction Regulations
- Understand the duties of a competent scaffold inspector and supervisor
- Identify structural faults, load-bearing issues, and improper anchorage
- Use thorough checklists, tagging systems, and maintain accurate inspection registers
- Monitor foundation stability, bracing, planking, ties, guardrails, and safe access
- Address fall protection, weather effects, PPE, and emergency protocols
- Execute both initial hand-over and routine weekly inspections

Requirements	Costs	Duration
<ul style="list-style-type: none"> • Working at Heights • Minimum Grade 10 • Valid Certificate of Fitness 	Total training cost: R 2 070.00	2 Days

 For quotations and bookings visit www.ctctraining.org. For Course availabilities contact **+27 13 692 3121/2/3/4/5/6** or email bookings@ctctraining.co.za

10.4 Wireman's License

Over five immersive days, this intensive programme prepares candidates to register as a Registered Electrical Person with the Department of Labour and legally issue Certificates of Compliance (CoC). Topics include:

- South African Electrical Installation Regulations (SANS 10142 series) & the OHS Act
- In-depth application of Installation Rules P1 & P2
- Mastery of electrical testing procedures, fault-finding, and reporting mechanisms
- Understanding compliance documentation, CoC completion, and registration protocol as a "Registered Person"
- Practical lab sessions using testing instruments under expert supervision
- Final assessment: usually scheduled on the Friday following the training week

Requirements	Costs	Duration
<ul style="list-style-type: none"> • Qualified Electrician or Millwright 	Total training cost: R 8 851.82	5 Days

 For quotations and bookings visit www.ctctraining.org. For Course availabilities contact **+27 13 692 3121/2/3/4/5/6** or email bookings@ctctraining.co.za

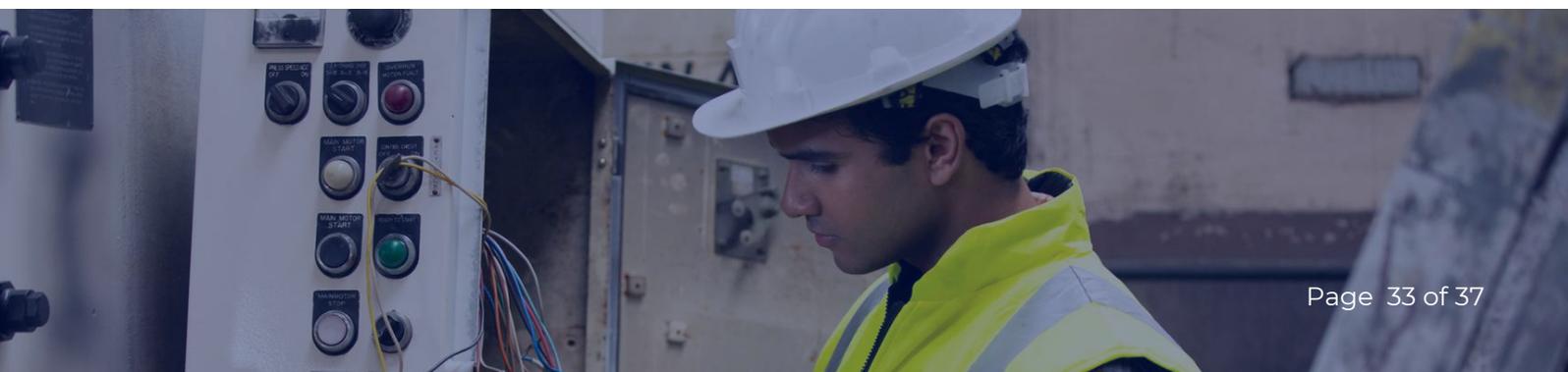
10.5 Automotive Air Conditioning

This specialised short course is designed to equip qualified artisans with the technical knowledge and practical skills to service, maintain, and repair automotive air conditioning systems. The programme covers fault-finding techniques, system component replacement, refrigerant handling, and compliance with industry safety and environmental standards. Training is delivered through a combination of theoretical instruction and practical application, ensuring learners are competent in diagnosing and resolving air conditioning system issues in a professional automotive environment.

On successful completion, learners will be issued with a CTC Certificate of Competence for Automotive Air Conditioning.

Requirements	Dates	Costs	Duration
<ul style="list-style-type: none"> • Qualified Artisan 	<ul style="list-style-type: none"> • 01 – 12 September 2025 • 20 – 31 October 2025 • 10 – 21 November 2025 	R 13 763.74	2 Weeks

 For quotations and bookings visit www.ctctraining.org. For Course availabilities contact **+27 13 692 3121/2/3/4/5/6** or email bookings@ctctraining.co.za



10.6 Engineering Short Courses

CTC presents various short courses in the Engineering Department, which can be taken separately as an upskilling opportunity.

Medium Voltage (Switching) Training

The course covers:

- ✓ Introduction to medium voltage systems \Substations
- ✓ Protection
- ✓ NERM
- ✓ ECM
- ✓ Permits
- ✓ Switching
- ✓ Phasing
- ✓ Completion of workbook
- ✓ Pre-assessment

Complete a week of theory. Required to do 7-14 weeks of On-Job training and complete tasks to log experience. Return to CTC for 1 day theoretical and 1 day practical assessment, all results to be forwarded to the MQA for certification.

Minimum Requirements	Target Population	Costs	Duration	No of Candidates
Qualified Millwright or Electrician Minimum of 2 years relevant experience	Qualified Millwrights and Electricians. Engineers	R 8 851.82	5 days (incl. 7-14 weeks on-job training)	1-20

New course dates are being scheduled on a regular basis. For course dates and availability please contact CTC.

Medium Voltage (Refresher) Training

Description	Costs	Duration	No of Candidates
On completion of the novice course.	R 6 351.46	3 days	1-10

 For quotations and bookings visit www.ctctraining.org

Gas Testing

This course aligns with the DMR requirements.

Content includes:

- ✓ Gases
- ✓ Regulations
- ✓ Underground workshops
- ✓ Ventilation
- ✓ Gas testing practices

Practical Assessment conducted in an underground production section. Theory Assessments are conducted in the presence of a testing board. Candidate will be issued with a certificate of competency on successful completion of the course

Minimum Requirements	Target Population	Costs	Duration	No of Candidates
PPE (Overall, Hard hat, gum boots, Glasses, "lampie" belt) Minimum of 3 months relevant underground exposure in a production section of a fiery coal mine Valid Red ticket	All Engineering students that are required to work in an underground fiery (coal) mine	R 7 203.66	2 weeks	1-14

 For quotations and bookings visit www.ctctraining.org For course dates and availability contact **013 689 3121 (ext. 260), or electadmin@ctctraining.co.za**

New course dates are being scheduled on a regular basis.



Flameproofing – Maintenance of Flameproof Equipment (Engineering)

Content includes:

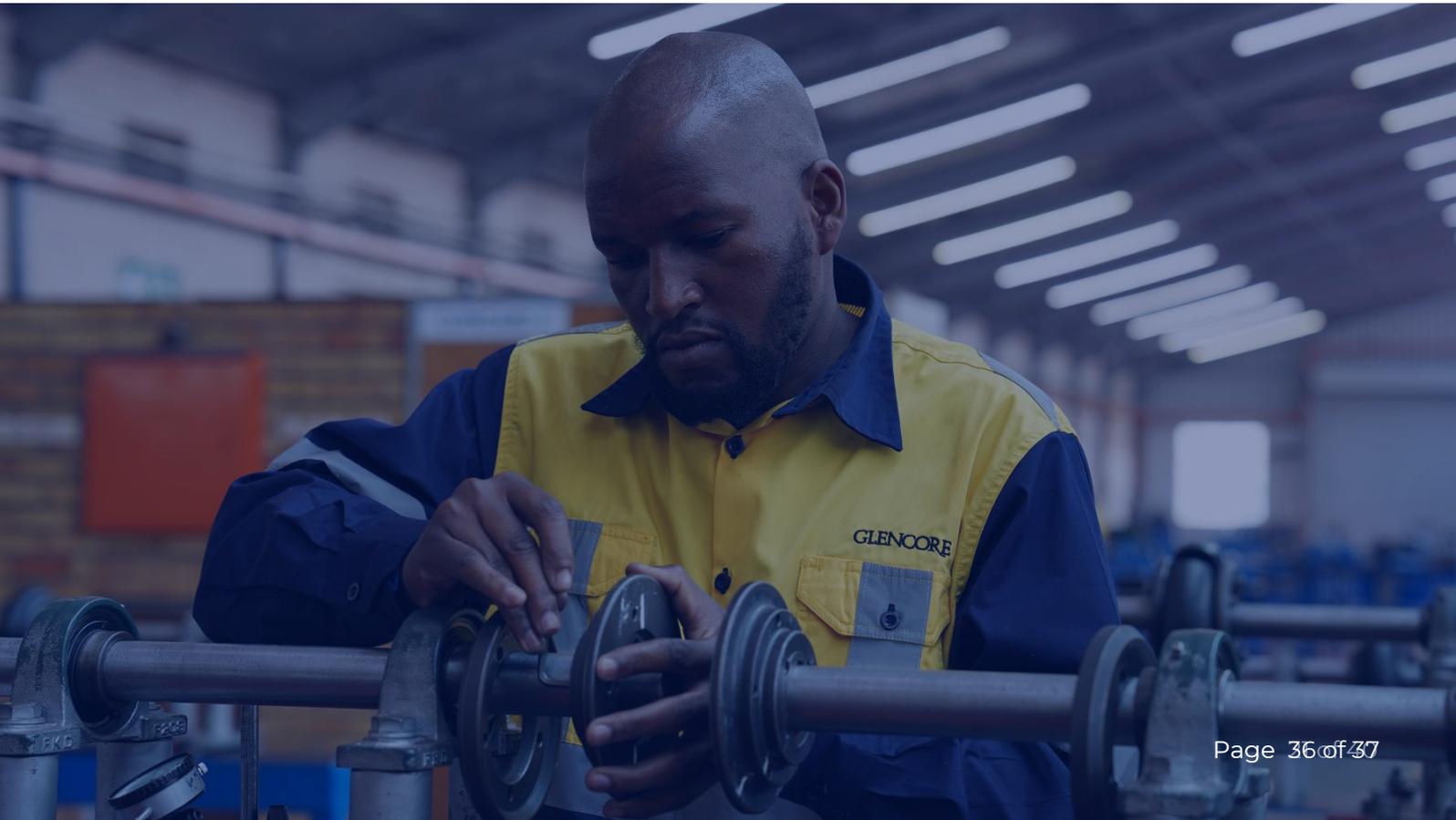
- ✓ Methane, Hydrogen and coal dust
- ✓ Standards and modifications
- ✓ Flameproof Enclosure
- ✓ Increase safety enclosures
- ✓ Intrinsically safe devices
- ✓ Diesel Engines
- ✓ Flameproof terminations
- ✓ Electrical lighting and cables
- ✓ Electrical protection of mining equipment

Practical Assessment conducted in a controlled environment. Theory is assessed in the form of Computer Based Assessments. Candidate will be issued with a certificate of competency on successful completion of the course

Minimum Requirements	Target Population	Costs	Duration	No of Candidates
PPE	Qualified Artisan A person registered on a learnership / apprenticeship in a trade Engineers in Training	R 7 203.66	2 weeks	1-20

For quotations and bookings visit www.ctctraining.org For course dates and availability contact 013 689 3121 (ext. 260), or electadmin@ctctraining.co.za

New course dates are being scheduled on a regular basis.



10.7 Automation

Unlock the Future with Our Automation Short Courses

Stay ahead in a rapidly evolving industry with our hands-on Automation Short Courses. Designed for professionals and beginners alike, these courses cover essential tools and technologies in industrial and process automation. Delivered by expert instructors at our state-of-the-art facilities, you'll gain practical skills that are immediately applicable in the workplace. Whether you're upskilling or exploring a new career path, our flexible training options will help you reach your goals fast.

Course	Requirements	Duration	Costs	Dates
Advance PLC (Programmable Logic Controllers)		3 Days	R 6 563.11	Please Enquire
HMI (Human Machine Interface)	Prerequisite: Advance PLC	2 Days	R 4 375.41	Please Enquire
VSD, IO Link and Sensors (Variable Speed Drive, Input / Output Link)	Prerequisite: Advance PLC and HMI	2 Days	R 4 375.41	Please Enquire
System Integration	Prerequisite: Advance PLC and HMI	3 Days	R 6 563.11	Please Enquire
Robotics	Prerequisite: Advance PLC	2 Days	R 4 375.41	Please Enquire
Electro Pneumatics		3 Days	R 6 563.11	Please Enquire

For quotations and bookings visit www.ctctraining.org. For Course availabilities contact +27 13 692 3121/2/3/4/5/6 or email bookings@ctctraining.co.za

